FEDERAL ITEM IDENTIFICATION GUIDE

MISCELLANEOUS CONTROLS

This Reprint replaces FIIG T121, dated January 7, 2004.

Commander

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGW OVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

[Page Break]

MRC Index

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
CONTROL-MONITOR	00906	AB

A component which performs the dual function of examining part of the output from other components or sets and regulates the mode of operation of another set. The control is not essential to the end use or operation of the component or set. See also CONTROL-INDICATOR.

CONTROL-POWER SUPPLY	00907	AA

A component which performs the dual function of controlling the operation of and supplying power to one or more associated components.

Regulator

A device designed to control or maintain designated characteristics at predetermined values, or vary them in accordance to a predetermined plan. Excludes governors, which perform a similar function in controlling speed or revolutions per minute.

REGULATOR (1), AIR CONDITIONER	42035	CA

An item designed for electronic regulation of pressure, temperature, humidity and climate conditions. Evaporators, condensers, valves and thermostats are controlled in a closed-loop system.

REGULATOR, PRESSURE, MEDICAL GAS ADMINISTRATION APPARATUS	19229	BA

A precision device designed to accept compressed medical gas from a cylinder and to deliver it to the administration apparatus at a safe pressure which is automatically maintained. It is usually furnished with a gage to indicate pressure in the cylinder and it may have a flowmeter to measure the volume of gas delivered. Excludes REGULATOR, PRESSURE, COMPRESSED GAS.

REGULATOR (1), TEMPERATURE AND PRESSURE	37693	CC

A self sensored regulator designed to automatically regulate steam flow and pressure according to predetermined pressure or temperature setting. Designed to open or close a valve when excessive or reduced pressure or temperature is detected. Valve body not included. See also REGULATOR (1), THERMOSTATIC TEMPERATURE.

REGULATOR (1), THERMOSTATIC TEMPERATURE	37692	CB

A self sensored actuating regulator designed to automatically regulate the flow of liquid or steam through a valve to maintain a predetermined temperature. Designed to close or open a valve when a change in temperature is detected to avoid overheating of controlled unit. Valve body not included. See also REGULATOR (1), TEMPERATURE AND PRESSURE.

Approved Item Name	INC	App Key
REGULATOR UNIT, AIR FLOW, OXYGEN AND NITROGEN GENERATING PLANT	16745	BA

An item designed to deliver a constant air pressure to an oxygen and nitrogen generating plant from an air conduit in which the pressure is subject to variations.

THERMOSTAT, FLOW CONTROL	16516	CA

An automatic regulating device which controls the flow of fluids or gases by actuating a valve or shutter for heating or cooling purposes. May be adjustable, or set to operate at a definite pressure. Excludes CONTROL, HUMIDITY; CONTROL, TEMPERATURE INDICATING; and SWITCH, THERMOSTATIC.

APPLICABILITY KEY INDEX

	AA	AB
NAME	X	X
APHE	X	
ALCD		X
AWNN	X	
AWNP	AR	
AWNQ	AR	
AWNR	AR	
AMMD		X
AWNS		AR
AWMT		AR
AWMS		X
AKWC	AR	AR
ACYN	AR	AR
ACZB	AR	AR
FAAZ	AR	AR
ACYR	AR	AR
ALSF	AR	AR
ABHP	AR	AR
ABMK	AR	AR
ADAV	AR	AR
ABKW	AR	AR
ABFY	AR	AR
ADUM	AR	AR
AKWA	AR	AR
AKWB	AR	AR
RADC	AR	AR
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
PRPY	AR	AR
ELRN	AR	AR
ELCD	AR	AR
ENAC	AR	AR
AGAV	AR	AR
AHZK	AR	AR
AJKE	AR	AR
AKSH	AR	AR
AKSJ	AR	AR
AKSK	AR	AR
AKSL	AR	AR
CBME	AR	AR
RADD	AR	AR

PRMT	AR	AR
PMWT	AR	AR
PMLC	AR	AR
SUPP	AR	AR
FCLS	AR	AR
FTLD	AR	AR
TMDN	AR	AR
RTSE	AR	AR
RDAL	AR	AR
NTRD	AR	AR
ZZZP	AR	AR
ZZZV	AR	AR
CXCY	AR	AR

	BA
NAME	X
AENF	X
AWNT	X
AAFZ	AR
AEVN	X
AWTF	X
AWYD	AR
AWYE	AR
AWTG	X
AWNW	AR
AWNX	X
AWTH	AR
AWTJ	AR
AWTK	X
AWTL	AR
AWNY	X
AWNZ	X
RADC	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
ENAC	AR
AGAV	AR
AHZK	AR
AJKE	AR
AKSH	AR
AKSJ	AR
AKSK	AR
AKSL	AR
CBME	AR
RADD	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
CXCY	AR

	CA	CB	CC
NAME	X	X	X
AWPA	X	X	X
ALCD	X	X	X
ADJH	X	AR	AR
AWTM	AR	AR	AR
AWTN	AR	AR	AR
AWTP	X		X
ADSV	AR		AR
AWYH	AR		AR
AMSD	AR	AR	AR
ADQU	AR	AR	AR
AWTQ	AR	AR	AR
AGWM	AR	AR	AR
ABKW	AR	AR	AR
AEVT		X	X
AEVU		X	X
AEVV		X	X
CXBX		X	X
THDS	AR	AR	AR
AAJF	AR	AR	AR
AWTR	AR	AR	AR
AKYD	AR	AR	AR
RADC	AR	AR	AR
FEAT	AR	AR	AR
TEST	AR	AR	AR
SPCL	AR	AR	AR
ZZZK	AR	AR	AR
ZZZT	AR	AR	AR
ZZZW	AR	AR	AR
ZZZX	AR	AR	AR
ZZZY	AR	AR	AR
CRTL	AR	AR	AR
PRPY	AR	AR	AR
ELRN	AR	AR	AR
ELCD	AR	AR	AR
ENAC	AR	AR	AR
AGAV	AR	AR	AR
AHZK	AR	AR	AR
AJKE	AR	AR	AR
AKSH	AR	AR	AR
AKSJ	AR	AR	AR
AKSK	AR	AR	AR
AKSL	AR	AR	AR
CBME	AR	AR	AR
RADD	AR	AR	AR
PRMT	AR	AR	AR
PMWT	AR	AR	AR
PMLC	AR	AR	AR
SUPP	AR	AR	AR
FCLS	AR	AR	AR

FTLD	AR	AR	AR
TMDN	AR	AR	AR
RTSE	AR	AR	AR
RDAL	AR	AR	AR
NTRD	AR	AR	AR
ZZZP	AR	AR	AR
ZZZV	AR	AR	AR
CXCY	AR	AR	AR

[Page Break]

Body

SECTION: A

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED00906*)

AA			
	APHE	D	OPERATION METHOD

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDAW*; APHEDAW$DCF*)

REPLY CODE	REPLY (AC58)
AW	AUTOMATIC
CF	MANUAL

AB			
	ALCD	G	USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALCDGCONTROLS AZIMUTH POSITION AND OPERATION*)

AA			
	AWNN	D	POWER SUPPLY TYPE

Definition: INDICATES OF THE TYPE OF POWER SUPPLY PROVIDED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWNNDAB*; AWNNDAC$$DAG*)

REPLY CODE	REPLY (AM43)
A	ANY ACCEPTABLE
AB	ELECTRONIC
AC	GENERATOR
AD	METALLIC DISK (rectifier)
AE	SEMICONDUCTOR
AF	SOLID STATE
AG	TRANSFORMER
AH	VARIABLE TRANSFORMER
AJ	VIBRATOR

AA*

AWNP J POWER SUPPLY OUTPUT VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF OUTPUT OF THE POWER SUPPLY.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AWNPJVA115.0*; AWNPJVB110.0$$JVC120.0*; AWNPJVA2000.0$$JVA5000.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AWNPKN*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AA*

AWNQ D POWER SUPPLY OUTPUT CURRENT TYPE

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES THE TYPE OF POWER SUPPLY OUTPUT CURRENT PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWNQDB*; AWNQDB$$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

AA*

AWNR J POWER SUPPLY OUTPUT CURRENT RATING

Definition: THE OUTPUT CURRENT RATING OF THE POWER SUPPLY.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AWNRJAA4.2*; AWNRJAB4.0$$JAC4.4*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AWNRKN*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AB

AMMD A INPUT SIGNAL QUANTITY

Definition: THE NUMBER OF SIGNALS WHICH THE ITEM IS CAPABLE OF RECEIVING.

Reply Instructions: Enter the quantity. (e.g., AMMDA3*)

APP Key	MRC	Mode Code	Requirements

AB*

AWNS G INPUT SIGNAL TYPE

Definition: INDICATES THE TYPE OF INPUT SIGNAL.

Reply Instructions: Enter the reply in clear text. (e.g., AWNSGFIS INTERROGATOR VOLTAGE*)

AB*

AWMT J INPUT SIGNAL FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH THE INPUT SIGNAL IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AWMTJEA200.0*; AWMTJEB200.0$$JEC400.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AWMTKN*)

Table 1

REPLY CODE	REPLY (AC32)
E	HERTZ
K	KILOHERTZ
M	MEGA HERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AB

AWMS D MONITORING METHOD

Definition: THE MEANS USED FOR MONITORING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWMSDAAS*; AWMSDAAM$$DAAY*)

REPLY CODE	REPLY (AL28)

APP Key	MRC	Mode Code	Requirements
		A	ANY ACCEPTABLE
		AAS	AURAL
		AAM	AUTOMATIC
		AAT	COMPARATIVE
		AAW	ELECTRONIC
		AAX	METER
		AAY	VISUAL

NOTE FOR MRCS AKWC, ACYN, ACZB, FAAZ AND ACYR: REPLY TO MRC AKWC ONLY WHEN THE SOLE POWER SOURCE IS SELF-CONTAINED OR WHEN A SINGLE ONE EXTERNAL POWER SOURCE IS SPECIFIED, DO NOT REPLY TO MRC AKWC. THE TYPE OF POWER SOURCE IS IDENTIFIED IN THE SPECIAL SECONDARY ADDRESS CODES IN APPENDIX C, TABLE 1, APPLICABLE TO MRCS ACYN, ACZB, FAAZ AND ACYR.

ALL* (See Note Above)

AKWC D ELECTRICAL POWER SOURCE RELATIONSHIP

Definition: THE RELATIONSHIP OF THE ELECTRICAL POWER SOURCE TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKWCDAB*)

A self-contained power source shall be interpreted as being a power source, such as a gasoline or diesel engine generator, or vehicular electrical system when the vehicle utilized as the power source is included in the item.

When the item includes a self-contained power source and the item is also designed for operation from an external power source, the external power source is considered alternate operating. Under this condition reply only alternate operating.

When the item is powered by external power source(s) only, it is considered operating. When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

REPLY CODE	REPLY (AH00)
AB	ALTERNATE OPERATING
AC	OPERATING
AD	SELF-CONTAINED

APP
Key MRC Mode Code Requirements

NOTE FOR MRCS ACYN, ACZB, FAAZ ACYR, AND ALSF: IF OTHER THAN REPLY CODE AD IS ENTERED FOR MRC AKWC, REPLY TO THESE MRCS AS APPLICABLE.

ALL* (See Note Above and Preceding MRC AKWC)

ACYN J AC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF ROOT MEAN SQUARE POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Appendix C , Table 1 and Tables 1 and 2 below, followed by the numeric value. (e.g., ACYNJVA110.0; ACYNJVA110.0$$JVA220.0*; ACYN1AJVB110.0$$JVC220.0*;ACYN1BJVC220.0$$JVC350.0*)*

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRCs AKWC and ACYN)

ACZB J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Appendix C , Table 1 and Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0; ACZB1AJEB50.0$$JEC50.0*; ACZB1BJEB70.0$$JEC80.0*)*

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRCs AKWC and ACYN)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from Appendix C , Table 1 and the table below. (e.g., FAAZDB; FAAZDA$DC*; FAAZ2AADA$DB* FAAZ2BADC*)*

REPLY CODE	REPLY (AD02)
A	SINGLE
C	THREE
B	TWO

ALL* (See Note Preceding MRCs AKWC and ACYN)

ACYR J DC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF DIRECT CURRENT POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Appendix C , Table 1 and Tables 1 and 2 below, followed by the numeric value. (e.g., ACYRJVA110.0; ACYRJVA6.0$$JVA12.0*; ACYR1AJVB6.0$$JVC6.3*; ACYR1BJVB12.0$$JVC24.0**

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL* (See Note Preceding MRC ACYN)

ALSF D INTERNAL BATTERY ACCOMMODATION

Definition: AN INDICATION OF WHETHER OR NOT A FACILITY(IES) TO ACCOMMODATE A BATTERY(IES) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALSFDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

APP Key	MRC	Mode Code	Requirements

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB3.500$$JAC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

APP
Key MRC Mode Code Requirements

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADUM J OVERALL THICKNESS

APP Key	MRC	Mode Code	Requirements

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA1.000*; ADUMJLA25.4*; ADUMJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AKWA G JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM NAME

Definition: THE NAME ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the reply in clear text. (e.g., AKWAGPUBLIC ADDRESS SET*)

ALL*

AKWB G JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM TYPE NUMBER

Definition: THE TYPE NUMBER ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the reply in clear text. (e.g., AKWBGAN/TIPIA*)

SECTION: B

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED19229*)

ALL			
	AENF	D	SPECIFIC GAS FOR WHICH DESIGNED

Definition: THE SPECIFIC GAS WITH WHICH THE ITEM IS DESIGNED TO BE USED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AENFDAS*; AENFDBL$DCM*)

REPLY CODE	REPLY (AB75)
A	ANY ACCEPTABLE
AS	CARBON DIOXIDE
ABZ	CYCLOPROPANE
BL	HELIUM
EE	HELIUM-OXYGEN MIXTURE
BT	HYDROGEN
CG	NITROGEN
EH	NITROUS OXYGEN
CM	OXYGEN

ALL			
	AWNT	D	STAGE TYPE

Definition: INDICATES THE TYPE OF STAGE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWNTDB*)

REPLY CODE	REPLY (AF09)
B	DOUBLE
C	SINGLE

APP Key	MRC	Mode Code	Requirements

ALL*

AAFZ D BODY MATERIAL

Definition: THE BASIC MATERIAL OF WHICH THE BODY IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AAFZDAL0000*; AAFZDAL0000$$DBR0000*; AAFZDAL0000$DBR0000*)

ALL

AEVN D REGULATION TYPE

Definition: INDICATES THE BASIC DESIGN TYPE USED FOR REGULATING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEVNDE*)

REPLY CODE	REPLY (AD45)
J	AUTOMATIC
D	MANUAL SINGLE STAGE
E	1ST STAGE AUTOMATIC, 2ND STAGE MANUAL

ALL

AWTF D CYLINDER PRESSURE GAGE

Definition: AN INDICATION OF WHETHER OR NOT A CYLINDER PRESSURE GAGE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWTFDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP
Key MRC Mode Code Requirements

NOTE FOR MRC AWYD: IF REPLY CODE B IS ENTERED FOR MRC AWTF, REPLY TO MRC AWYD.

ALL* (See Note Above)

AWYD J CYLINDER PRESSURE GAGE RANGE

Definition: THE MINIMUM TO MAXIMUM PRESSURE AT WHICH THE CYLINDER PRESSURE GAGE WILL OPERATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values separated by a slash. Precede values with the letter P. (e.g., AWYDJBBP0.0/P3000.0*)

REPLY CODE	REPLY (AG20)
DA	BAR
AV	KILOGRAMS PER SQUARE CENTIMETER
BB	POUNDS PER SQUARE INCH

ALL*

AWYE J MAXIMUM DELIVERY PRESSURE

Definition: THE MAXIMUM PRESSURE AT WHICH THE ITEM WILL DELIVER.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWYEJBB35.0*)

REPLY CODE	REPLY (AG20)
DA	BAR
AV	KILOGRAMS PER SQUARE CENTIMETER
BB	POUNDS PER SQUARE INCH

ALL

AWTG L INLET CONNECTION END STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE INLET CONNECTION END.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group A. (e.g., AWTGL1*)

ALL*

AWNW J INLET CONNECTION NOMINAL PIPE SIZE

Definition: THE NOMINAL VALUE USED TO DEFINE THE DIAMETER OF THE INLET CONNECTION PIPE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the decimal equivalent of the nominal size of pipe. (e.g., AWNWJA1.000*; AWNWJL25.4*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL

AWNX D INLET ADAPTER

Definition: AN INDICATION OF WHETHER OR NOT AN INLET ADAPTER IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWNXDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AWTH AND AWTJ: IF REPLY CODE B IS ENTERED FOR MRC AWNX, REPLY TO MRC AWTH AND AWTJ.

ALL* (See Note Above)

AWTH L ADAPTER INLET CONNECTION END STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ADAPTER INLET CONNECTION END.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group A. (e.g., AWTHL3*)

ALL* (See Note Preceding MRC AWTH)

AWTJ J ADAPTER INLET CONNECTION NOMINAL PIPE SIZE

Definition: THE NOMINAL VALUE USED TO DEFINE THE DIAMETER OF THE ADAPTER INLET CONNECTION PIPE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the decimal equivalent of the nominal size of pipe. (e.g., AWTJJA1.000*; AWTJJL25.4*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL

AWTK L OUTLET CONNECTION END STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE OUTLET CONNECTION END.

Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group A. (e.g., AWTKL4*)

ALL*

AWTL J OUTLET CONNECTION NOMINAL PIPE SIZE

Definition: THE NOMINAL VALUE USED TO DEFINE THE DIAMETER OF THE OUTLET CONNECTION PIPE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the decimal equivalent of the nominal size of pipe. (e.g., AWTLJA1.000*; AWTLJL25.4*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

ALL

AWNY D AUTOMATIC RELIEF VALVE

Definition: AN INDICATION OF WHETHER OR NOT AN AUTOMATIC RELIEF VALVE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWNYDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

AWNZ D FLOWMETER

Definition: AN INDICATION OF WHETHER OR NOT A FLOWMETER IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWNZDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

SECTION: C

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED16516*)

ALL

AWPA D THERMOSTAT TYPE

Definition: INDICATES THE TYPE OF THERMOSTAT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWPADAB*)

REPLY CODE	REPLY (AM44)
A	ANY ACCEPTABLE
AB	BELLOWS
AC	BELLOWS-BIMETALLIC
AD	BIMETALLIC
AP	BULB
AE	COIL SPRING BIMETALLIC
AM	LIQUID EXPANSION
AF	PELLET
AG	SOLID EXPANSION
AH	THERMISTOR ACTUATED
AJ	TRANSISTORIZED
AN	TRANSISTORIZED AMPLIFIER RELAY
AK	WAX PELLET

ALL

ALCD G USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALCDGCONTROL COMPRESSOR CYCLING*)

CA, CB*, CC*

APP Key	MRC	Mode Code	Requirements
	ADJH	D	MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., ADJHDAD*; ADJHDAD$$DYF*)

ALL*

	AWTM	J	OPENING TEMP RATING

Definition: THE RATED TEMPERATURE AT WHICH THE ITEM STARTS TO OPEN.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AWTMJFA168.0*; AWTMJFB168.0$$JFC1170.0*)

See Appendix C, Table 3 for Celsius-Fahrenheit conversion.

Table 1

REPLY CODE	REPLY (AB36)
C	DEG CELSIUS
F	DEG FAHRENHEIT

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	AWTN	J	OPERATING TEMP RATING

Definition: THE TEMPERATURE AT WHICH THE ITEM OPERATES.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AWTNJFA11.0*; AWTNJFB110.0$$JFC115.0*)

See Appendix C, Table 3 for Celsius-Fahrenheit conversion.

Table 1

REPLY CODE	REPLY (AB36)
C	DEG CELSIUS
F	DEG FAHRENHEIT

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CA, CC

AWTP D SPRING OPERATED PRESSURE RELIEF

Definition: AN INDICATION OF WHETHER OR NOT A SPRING OPERATED PRESSURE RELIEF IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWTPDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

NOTE FOR MRCS ADSV AND AWYH: IF REPLY CODE B IS ENTERED FOR MRC AWTP, REPLY TO MRC ADSV AND AWYH.

CA*, CC* (See Note Above)

ADSV J OPENING PRESSURE SETTING

Definition: THE PREDETERMINED PRESSURE AT WHICH THE ITEM IS CALIBRATED TO OPEN.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ADSVJV65.0*)

REPLY CODE	REPLY (AB18)
F	BAR
K	KILOGRAMS PER SQUARE CENTIMETER
V	POUNDS PER SQUARE INCH

CA*, CC* (See Note Preceding MRC ADSV)

APP Key	MRC	Mode Code	Requirements
	AWYH	J	CLOSING PRESSURE SETTING

Definition: THE PRESSURE SETTING AT WHICH THE ITEM WILL CLOSE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AWYHJBBA55.0*; AWYHJAVB20.0$$JAVC27.0*)

Table 1

REPLY CODE	REPLY (AG20)
DA	BAR
AV	KILOGRAMS PER SQUARE CENTIMETER
BB	POUNDS PER SQUARE INCH

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	AMSD	J	VALVE TRAVEL DISTANCE

Definition: THE MEASURED DISTANCE THE VALVE TRAVELS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g. AMSDJAA1.000*; AMSDJLA25.4*; AMSDJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	ADQU	D	FLOW CONTROL DEVICE

Definition: THE PART THAT CONTROLS THE FLOW THROUGH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., ADQUDBJ*)

ALL*

	AWTQ	J	DISTANCE ACROSS FLATS

Definition: THE DISTANCE ACROSS THE FLATS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AWTQJAA1.000*; AWTQJLA25.4*; AWTQJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	AGWM	J	LARGEST OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST DIAMETER OF AN ITEM, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, follwed by the numeric value. (e.g., AGWMJAA1.000*; AGWMJLA25.4*; AGWMJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CB, CC

AEVT J CAPILLARY TUBE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A CAPILLARY TUBE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEVTJAA50.000*; AEVTJAB29.750$$JAC40.250*; AEVTJLA23.7*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CB, CC

AEVU J BULB LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A BULB.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEVUJAA10.000*; AEVUJAB9.875$$JAC10.125*; AEVUJLA36.5*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CB, CC

AEVV J BULB DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE BULB, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEVVJAA0.250*; AEVVJAB0.245$$JAC0.255*; AEVVJLA1.5*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CB, CC

CXBX J VALVE SIZE FOR WHICH DESIGNED

Definition: DESIGNATES THE SIZE OF THE VALVE FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CXBXJA1.250*; CXBXJL7.5*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL*

THDS J THREAD SIZE AND SERIES/TYPE DESIGNATOR

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6, followed by the thread size.

(e.g., THDSJNF10-32*)

ALL*

AAJF D THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDL*)

REPLY CODE	REPLY (AA38)
L	LEFT-HAND
R	RIGHT-HAND

ALL*

AWTR J INSIDE MOUNTING SURFACE TO VALVE SEAT DISTANCE

Definition: THE DISTANCE FROM THE INSIDE MOUNTING SURFACE TO THE VALVE SEAT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWTRJA1.000*; AWTRJL25.4*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL*

AKYD G ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGSPACER FLANGE, 1*)

SECTION: STANDARD

APP
Key MRC Mode Code Requirements

NOTE FOR MRC RADC: REPLY TO MRC RADC WHEN THE ITEM CONTAINS RADIOACTIVE MATERIAL.

ALL* (See Note Above)

RADC D RADIOACTIVE CONTENT

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM CONTAINS RADIOACTIVE MATERIALS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., RADCDP*)

REPLY CODE	REPLY (AN54)
P	CONTAINS RADIOACTIVE MATERIAL

ALL*

FEAT G SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*

TEST J TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

APP Key	MRC	Mode Code	Requirements

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)
C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

ALL*

ZZZX G DEPARTURE FROM CITED DESIGNATOR

Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)

ALL*

ZZZY G REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS

Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)

ALL*

APP Key	MRC	Mode Code	Requirements
	CRTL	A	CRITICALITY CODE JUSTIFICATION

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL* (See Note Above)

	PRPY	A	PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL*

	ELRN	G	EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

APP Key	MRC	Mode Code	Requirements

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL*

ELCD D EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

NOTE FOR MRC ENAC: ANSWERING THIS MRC WILL GENERATE AN ENAC CODE IN THE ITEM IDENTIFICATION SEGMENT (A) OF THE NSN.

ALL* (See Note Above)

ENAC D ENVIRONMENTAL ATTRIBUTE CODE

Definition: INDICATES THE TYPE OF PRODUCT THAT MEETS OR EXCEEDS THE GOVERNMENT GUIDELINES FOR ENVIRONMENTALLY PREFERRED CHARACTERISTICS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ENACDG4*)

REPLY CODE	REPLY (EN02)
G4	COMPREHENSIVE PROCUREMENT GUIDELINE — VEHICULAR PRODUCTS — REBUILT VEHICULAR PARTS

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements
ALL			
	AGAV	G	END ITEM IDENTIFICATION
	Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.		
	Reply Instructions: Enter the applicable reply in clear text.		
	(e.g., AGAVG3930-00-000-0000*;		
	AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)		
ALL			
	AHZK	A	END ITEM NAME
	Definition: THE APPROVED ITEM NAME OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.		
	Reply Instructions: Enter the equipment name. (e.g., AHZKATRACTOR*)		
ALL			
	AJKE	A	END ITEM SOURCE
	Definition: THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE GOVERNMENT AGENCY, INDUSTRIAL ORGANIZATION, OR OTHER SOURCE, WHICH CONTROLS OR MANUFACTURES THE END ITEM.		
	Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code. (e.g., AJKEA12345*)		
ALL			
	AKSH	A	CONTROLLING GOVERNMENT AGENCY
	Definition: THE NAME OF THE GOVERNMENT AGENCY CONTROLLING THE ITEM.		
	Reply Instructions: Enter the name. (e.g., AKSHAUSMC*)		
ALL			
	AKSJ	A	ITEM NAME ASSIGNED BY GOVERNMENT

APP Key	MRC	Mode Code	Requirements
			AGENCY

Definition: THE NAME OF THE ITEM AS ASSIGNED BY THE CONTROLLING GOVERNMENT AGENCY.

Reply Instructions: Enter the name. (e.g., AKSJAPUBLIC ADDRESS SET*)

ALL

AKSK	A	ITEM IDENTIFYING NUMBER ASSIGNED BY GOVERNMENT AGENCY

Definition: AN IDENTIFYING NUMBER ASSIGNED BY THE GOVERNMENT AGENCY CONTROLLING THE ITEM.

Reply Instructions: Enter the number. (e.g., AKSKAAN/TIPIA*)

ALL

AKSL	D	PURPOSE FOR WHICH DESIGNED

Definition: THE PURPOSE FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKSLDAB*)

REPLY CODE	REPLY (AG95)
AB	GENERAL
AD	PART OF
AC	SPECIFIC
AE	USED WITH

ALL

CBME	J	CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CBMEJCN6.000*)

REPLY CODE	REPLY (AN76)

APP Key	MRC	Mode Code	Requirements
		CC	CUBIC CENTIMETERS
		CN	CUBIC INCHES

NOTE FOR MRC RADD: IF A REPLY WAS ENTERED FOR MRC RADC IN SECTION I, A REPLY MUST BE ENTERED FOR MRC RADD.

ALL (See Note Above)

RADD J RADIONUCLIDES DATA

Definition: THE NAME AND AMOUNT OF THE RADIONUCLIDE.

Reply Instructions: Enter the applicable Reply Codes from the table below and Appendix A, Table 5, followed by the numeric value. Where radioactivity varies from one sample to another, enter the maximum value. (e.g., RADDJJFAAAD10.000*)

REPLY CODE	REPLY (AG67)
JF	CURIES
JH	MICROCURIES
JG	MILLICURIES

ALL

PRMT D PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000*; PRMTDAUA000$$DAGA000*; PRMTDAGA000$DAUA000*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

APP Key	MRC	Mode Code	Requirements
	PMWT	J	PRECIOUS MATERIAL AND WEIGHT

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTA000R0.780*; PMWTJAUA000F0.500$$JAGA000R0.780*)

Table 1

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

Table 2

REPLY CODE	REPLY (AG14)
E	GRAINS, TROY
R	GRAMS
F	OUNCES, TROY

ALL

	PMLC	J	PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJAUA000TERMINALS*; PMLCJAUA000TERMINALS$$JAGA000INTERNAL SURFACES*; PMLCJAGA000TERMINALS$JAUA000INTERNAL SURFACES*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM

APP Key	MRC	Mode Code	Requirements
		RTA000	RUTHENIUM
		AGA000	SILVER

ALL

SUPP G SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL

FCLS A FUNCTIONAL CLASSIFICATION

Definition: THE ALPHA-NUMERIC DESIGNATION THAT IDENTIFIES THE CLASSIFICATION OF THE ITEM ACCORDING TO THE CATEGORY OF FUNCTIONS PERFORMED.

Reply Instructions: Enter the reply from the applicable document.

(e.g., FCLSAHH-1.5*)

ALL

FTLD G FUNCTIONAL DESCRIPTION

Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED.

Reply Instructions: Enter description of function as concisely as possible. (e.g., FTLDGUSED TO INSTALL/REMOVE ENGINE NACELLE*)

ALL

TMDN A TYPE/MODEL DESIGNATION

Definition: THE ALPHA-NUMERIC-ALPHA DESIGNATION USED TO IDENTIFY THE TYPE AND/OR MODEL OF THE BASIC ITEM.

Reply Instructions: Enter the appropriate designation data.

APP Key	MRC	Mode Code	Requirements

(e.g., TMDNAMSV-615/M*)

ALL

RTSE G RELATIONSHIP TO SIMILAR EQUIPMENT

Definition: INDICATES THE RELATIONSHIP, SUCH AS CONSTRUCTION, CAPABILITIES, AND THE LIKE, OF THE ITEM TO A SIMILAR ITEM.

Reply Instructions: Enter concise statement for similar item including name and identifying data.

(e.g., RTSEGSIMILAR TO LOCKHEED OVERWING ENGINE HOIST P/N 61521-58*)

ALL

RDAL G REFERENCE DATA AND LITERATURE

Definition: LITERATURE AND REFERENCES AVAILABLE FOR INFORMATION PERTAINING TO THE ITEM.

Reply Instructions: Enter data appropriate and in a concise manner to identify informational references covering the item.

(e.g., RDALGNAAVAIROIA/VFK58 A-2.2.9*)

ALL

NTRD A ENTRY DATE

Definition: INDICATE THE DATE THE ITEM WAS ENTERED INTO MIL-HDBK-300.

Reply Instructions: Enter the date structured in three hyphenated 2 position segments to indicate the last 2 digits of the calendar year, month, and day.

(e.g., NTRDA80-05-28*)

ALL

ZZZP J PURCHASE DESCRIPTION IDENTIFICATION

Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code, followed by a dash and the identifying number of the document.

(e.g., ZZZPJ81337-30624A*)

ALL

ZZZV G FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)

ALL

CXCY G PART NAME ASSIGNED BY CONTROLLING AGENCY

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

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Reply Tables

Table 1 - MATERIALS

MATERIALS

REPLY CODE	REPLY (AD09)
ALC000	ALUMINUM
AL0000	ALUMINUM ALLOY
A	ANY ACCEPTABLE
BR0000	BRASS
BN0000	BRONZE
CK0000	COPPER ALLOY
FE0000	IRON
FEA000	IRON, CAST
MG0000	MAGNESIUM
MGA000	MAGNESIUM ALLOY
ME0000	METAL
PC0000	PLASTIC
PCW000	PLASTIC, PHENOLIC
ST0000	STEEL
STB000	STEEL, CORROSION RESISTING
STD000	STEEL, STAINLESS
WD0000	WOOD
ZN0000	ZINC
ZNL000	ZINC ALLOY

Table 2 - MOUNTING METHODS

MOUNTING METHODS

REPLY CODE	REPLY (AB89)
A	ANY ACCEPTABLE
AD	CLAMP
YC	EAR
AF	FLANGE
YD	HOSE
CV	RETAINER RING
AHZ	SHOULDER W/THREADED HOLES
GU	SURFACE
YE	SWEAT
BQ	TERMINAL
YF	THREADED
YG	UNION

Table 3 - FLOW CONTROL DEVICES

FLOW CONTROL DEVICES

REPLY CODE	REPLY (AC57)

REPLY CODE	REPLY (AC57)
A	ANY ACCEPTABLE
AA	BALL
BJ	BUTTERFLY
BK	BY-PASS
BL	BY-PASS POPPET
BM	CHARACTERIZED THROTTLING
BN	CHOKE
AC	CONE
BP	DISK
DA	LEVER
BQ	MODIFIED BUTTERFLY
BR	MOTORIZED
AW	POPPET
BS	POSITIVE/CLOSED NEEDLE VALVE
DB	POSITIVE OPEN NEEDLE VALVE
BT	SOLID EXPANSION

Table 4 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY

REPLY CODE	REPLY (AD08)
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
ML	MATERIAL
MH	MESH
ME	METHOD
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL

REPLY CODE	REPLY (AD08)
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 5 - RADIONUCLIDES DATA

RADIONUCLIDES DATA

REPLY CODE	REPLY (AN55)	RADIONUCLIDES
AAAB	ACTINIUM (89)	AC-227
AAAC	ACTINIUM (89)	AC-228
AAAD	AMERICIUM (95)	AM-241
AAAE	AMERICIUM (95)	AM-243
AAAF	ANTIMONY (51)	SB-122
AAAG	ANTIMONY (51)	SB-124
AAAH	ANTIMONY (51)	SB-125
AAAJ	ARGON (18)	AR-37
AAAK	ARGON (18)	AR-41
AAAL	ARGON (18)	AR-41, UNCOMPRESSED
AAAM	ARSENIC (33)	AS-73
AAAN	ARSENIC (33)	AS-74
AAAP	ARSENIC (33)	AS-76
AAAQ	ARSENIC (33)	AS-77
AAAR	ASTATINE (85)	AT-211
AAAS	BARIUM (56)	BA-131
AAAT	BARIUM (56)	BA-133
AAAW	BARIUM (56)	BA-140
AAAX	BERKELIUM (97)	BK-249
AAAY	BERYLLIUM (4)	BE-7
AAAZ	BISMUTH (83)	BI-206
AABA	BISMUTH (83)	BI-207
AABB	BISMUTH (83)	BI-210
AABC	BISMUTH (83)	BI-212
AABD	BROMINE (35)	BR-82
AABE	CADMIUM (48)	CD-109
AABF	CADMIUM (48)	CD-115M
AABG	CADMIUM (48)	CD-115

REPLY CODE	REPLY (AN55)	RADIONUCLIDES
AABH	CALCIUM (20)	CA-45
AABJ	CALCIUM (20)	CA-47
AABK	CALIFORNIUM (98)	CF-249
AABL	CALIFORNIUM (98)	CF-250
AABM	CALIFORNIUM (98)	CF-252
AABN	CARBON (6)	C-14
AABP	CERIUM (58)	CE-141
AABQ	CERIUM (58)	CE-143
AABR	CERIUM (58)	CE-144
AABS	CESIUM (55)	CS-131
AABT	CESIUM (55)	CS-134M
AABW	CESIUM (55)	CS-134
AABX	CESIUM (55)	CS-135
AABY	CESIUM (55)	CS-136
AABZ	CESIUM (55)	CS-137
AACA	CHLORINE (17)	CL-36
AACB	CHLORINE (17)	CL-38
AACC	CHROMIUM (24)	CR-51
AACD	COBALT (27)	CO-56
AACE	COBALT (27)	CO-57
AACF	COBALT (27)	CO-58M
AACG	COBALT (27)	CO-58
AACH	COBALT (27)	CO-60
AACJ	COPPER (29)	CU-64
AACK	CURIUM (96)	CM-242
AACL	CURIUM (96)	CM-243
AACM	CURIUM (96)	CM-244
AACN	CURIUM (96)	CM-245
AACP	CURIUM (96)	CM-246
AACQ	DYSPROSIUM (66)	DY-154
AACR	DYSPROSIUM (66)	DY-165
AACS	DYSPROSIUM (66)	DY-166
AACT	ERBIUM (68)	ER-169
AACW	ERBIUM (68)	ER-171
AACX	EUROPIUM (63)	EU-150
AACY	EUROPIUM (63)	EU-152M
AACZ	EUROPIUM (63)	EU-152
AADA	EUROPIUM (63)	EU-154
AADB	EUROPIUM (63)	EU-155
AADC	FLUORINE (9)	F-18
AADD	GADOLINIUM (64)	GD-153
AADE	GADOLINIUM (64)	GD-159
AADF	GALLIUM (31)	GA-67
AADG	GALLIUM (31)	GA-72
AADH	GERMANIUM (32)	GE-71
AADJ	GOLD (79)	AU-193
AADK	GOLD (79)	AU-194

REPLY CODE	REPLY (AN55)	RADIONUCLIDES
AADL	GOLD (79)	AU-195
AADM	GOLD (79)	AU-196
AADN	GOLD (79)	AU-198
AADP	GOLD (79)	AU-199
AADQ	HAFNIUM (72)	HF-181
AADR	HOLMIUM (67)	HO-166
	Hydrogen (1)	H-3 (see TRITIUM)
AADS	INDIUM (49)	IN-113M
AADT	INDIUM (49)	IN-114M
AADW	INDIUM (49)	IN-115M
AADX	INDIUM (49)	IN-115
AADY	IODINE (53)	I-124
AADZ	IODINE (53)	I-125
AAEA	IODINE (53)	I-126
AAEB	IODINE (53)	I-129
AAEC	IODINE (53)	I-131
AAED	IODINE (53)	I-132
AAEE	IODINE (53)	I-133
AAEF	IODINE (53)	I-134
AAEG	IODINE (53)	I-135
AAEH	IRIDIUM (77)	IR-190
AAEJ	IRIDIUM (77)	IR-192
AAEK	IRIDIUM (77)	IR-194
AAEL	IRON (26)	FE-55
AAEM	IRON (26)	FE-59
AAEN	KRYPTON (36)	KR-85M
AAEP	KRYPTON (36)	KR-85M, UNCOMPRESSED
AAEQ	KRYPTON (36)	KR-85
AAER	KRYPTON (36)	KR-85, UNCOMPRESSED
AAES	KRYPTON (36)	KR-87
AAET	KRYPTON (36)	KR-87, UNCOMPRESSED
AAEW	LANTHANUM (57)	LA-140
AAEX	LEAD (82)	PB-203
AAEY	LEAD (82)	PB-210
AAEZ	LEAD (82)	PB-212
AAFA	LUTECIUM (71)	LU-172
AAFB	LUTECIUM (71)	LU-177
AAFC	MAGNESIUM (12)	MG-28
AAFD	MANGANESE (25)	MN-52
AAFE	MANGANESE (25)	MN-54
AAFF	MANGANESE (25)	MN-56
AAFG	MERCURY (80)	HG-197M
AAFH	MERCURY (80)	HG-197
AAFJ	MERCURY (80)	HG-203
AAFK	MIXED FISSION PRODUCTS	MF-P
AAFL	MOLYBDENUM (42)	MO-99

REPLY CODE	REPLY (AN55)	RADIONUCLIDES
AAFM	NEODYMIUM (60)	ND-147
AAFN	NEODYMIUM (60)	ND-149
AAFP	NEPTUNIUM (93)	NP-237
AAFQ	NEPTUNIUM (93)	NP-239
AAFR	NICKEL (28)	NI-56
AAFS	NICKEL (28)	NI-59
AAFT	NICKEL (28)	NI-63
AAFW	NICKEL (28)	NI-65
AAFX	NIOBIUM (41)	NB-93M
AAFY	NIOBIUM (41)	NB-95
AAFZ	NIOBIUM (41)	NB-97
AAGA	OSMIUM (76)	OS-185
AAGB	OSMIUM (76)	OS-191M
AAGC	OSMIUM (76)	OS-191
AAGD	OSMIUM (76)	OS-193
AAGE	PALLADIUM (46)	PD-103
AAGF	PALLADIUM (46)	PD-109
AAGG	PHOSPHORUS (15)	P-32
AAGH	PLATINUM (78)	PT-191
AAGJ	PLATINUM (78)	PT-193
AAGK	PLATINUM (78)	PT-193M
AAGL	PLATINUM (78)	PT-197M
AAGM	PLATINUM (78)	PT-197
AAGN	PLUTONIUM (94)	PU-238
AAGP	PLUTONIUM (94)	PU-239
AAGQ	PLUTONIUM (94)	PU-240
AAGR	PLUTONIUM (94)	PU-241
AAGS	PLUTONIUM (94)	PU-242
AAGT	POLONIUM (84)	PO-210
AAGW	POTASSIUM (19)	K-42
AAGX	POTASSIUM (19)	K-43
AAGY	PRASEODYMIUM (59)	PR-142
AAGZ	PRASEODYMIUM (59)	PR-143
AAHA	PROMETHIUM (61)	PM-147
AAHB	PROMETHIUM (61)	PM-149
AAHC	PROTACTINIUM (91)	PA-230
AAHD	PROTACTINIUM (91)	PA-231
AAHE	PROTACTINIUM (91)	PA-233
AAHF	RADIUM (88)	RA-223
AAHG	RADIUM (88)	RA-224
AAHH	RADIUM (88)	RA-226
AAHJ	RADIUM (88)	RA-228
AAHK	RADON (86)	RN-220
AAHL	RADON (86)	RN-222
AAHM	RHENIUM (75)	RE-183
AAHN	RHENIUM (75)	RE-186
AAHP	RHENIUM (75)	RE-187

REPLY CODE	REPLY (AN55)	RADIONUCLIDES
AAHQ	RHENIUM (75)	RE-188
AAHR	RHENIUM (75)	RE-NATURAL
AAHS	RHODIUM (45)	RH-103M
AAHT	RHODIUM (45)	RH-105
AAHW	RUBIDIUM (37)	RB-86
AAHX	RUBIDIUM (37)	RB-87
AAHY	RUBIDIUM (37)	RB-NATURAL
AAHZ	RUTHENIUM (44)	RU-97
AAJA	RUTHENIUM (44)	RU-103
AAJB	RUTHENIUM (44)	RU-105
AAJC	RUTHENIUM (44)	RU-106
AAJD	SAMARIUM (62)	SM-145
AAJE	SAMARIUM (62)	SM-147
AAJF	SAMARIUM (62	SM-151
AAJG	SAMARIUM (62)	SM-153
AAJH	SCANDIUM (21)	SC-46
AAJJ	SCANDIUM (21)	SC-47
AAJK	SCANDIUM (21)	SC-48
AAJL	SELENIUM (34)	SE-75
AAJM	SILICON (14)	SI-31
AAJN	SILVER (47)	AG-105
AAJP	SILVER (47)	AG-110M
AAJQ	SILVER (47)	AG-111
AAJR	SODIUM (11)	NA-22
AAJS	SODIUM (11)	NA-24
AAJT	STRONTIUM (38)	SR-85M
AAJW	STRONTIUM (38)	SR-85
AAJX	STRONTIUM (38)	SR-89
AAJY	STRONTIUM (38)	SR-90
AAJZ	STRONTIUM (38)	SR-91
AAKA	STRONTIUM (38)	SR-92
AAKB	SULPHUR (16)	S-35
AAKC	TANTALUM (73)	TA-182
AAKD	TECHNETIUM (43)	TC-96M
AAKE	TECHNETIUM (43)	TC-96
AAKF	TECHNETIUM (43)	TC-97M
AAKG	TECHNETIUM (43)	TC-97
AAKH	TECHNETIUM (43)	TC-99M
AAKJ	TECHNETIUM (43)	TC-99
AAKK	TELLURIUM (52)	TE-125M
AAKL	TELLURIUM (52)	TE-127M
AAKM	TELLURIUM (52)	TE-127
AAKN	TELLURIUM (52)	TE-129M
AAKP	TELLURIUM (52)	TE-129
AAKQ	TELLURIUM (52)	TE-131M
AAKR	TELLURIUM (52)	TE-132
AAKS	TERBIUM (65)	TB-160

REPLY CODE	REPLY (AN55)	RADIONUCLIDES
AAKT	THALLIUM (81)	TL-200
AAKW	THALLIUM (81)	TL-201
AAKX	THALLIUM (81)	TL-202
AAKY	THALLIUM (81)	TL-204
AAKZ	THORIUM (90)	TH-227
AALA	THORIUM (90)	TH-228
AALB	THORIUM (90)	TH-230
AALC	THORIUM (90)	TH-231
AALD	THORIUM (90)	TH-232
AALE	THORIUM (90)	TH-234
AALF	THORIUM (90)	TH-NATURAL
AALG	THULIUM (69)	TM-168
AALH	THULIUM (69)	TM-170
AALJ	THULIUM (69)	TM-171
AALK	TIN (50)	SN-113
AALL	TIN (50)	SN-117M
AALM	TIN (50)	SN-121
AALN	TIN (50)	SN-125
AALP	TRITIUM (1)	H-3
AALQ	TRITIUM (1)	H-3 AS GAS LUMINOUS PAINT, OR ADSORBED ON SOLID MATERIAL
AALR	TUNGSTEN (74)	W-181
AALS	TUNGSTEN (74)	W-185
AALT	TUNGSTEN (74)	W-187
AALW	URANIUM (92)	U-230
AALX	URANIUM (92)	U-232
AALY	URANIUM (92)	U-233
AALZ	URANIUM (92)	U-234
AAMA	URANIUM (92)	U-235
AAMB	URANIUM (92)	U-236
AAMC	URANIUM (92)	U-238
AAMD	URANIUM (92)	U-NATURAL
AAME	URANIUM (92)	U-ENRICHED
AAMF	URANIUM (92)	U-DEPLETED
AAMG	VANADIUM (23)	V-48
AAMH	VANADIUM (23)	V-49
AAMJ	XENON (54)	XE-125
AAMK	XENON (54)	XE-131M
AAML	XENON (54)	XE-131M, UNCOMPRESSED
AAMM	XENON (54)	XE-133
AAMN	XENON (54)	XE-133, UNCOMPRESSED
AAMP	XENON (54)	XE-135
AAMQ	XENON (54)	XE-135, UNCOMPRESSED
AAMR	YTTERBIUM (70)	YB-175
AAMS	YTTRIUM (39)	Y-88
AAMT	YTTRIUM (39)	Y-90
AAMX	YTTRIUM (39)	Y-91

REPLY CODE	REPLY (AN55)	RADIONUCLIDES
AAMW	YTTRIUM (39)	Y-91M
AAMY	YTTRIUM (39)	Y-92
AAMZ	YTTRIUM (39)	Y-93
AANA	ZINC (30)	ZN-65
AANB	ZINC (30)	ZN-69M
AANC	ZINC (30)	ZN-69
AAND	ZIRCONIUM (40)	ZR-93
AANE	ZIRCONIUM (40)	ZR-95
AANF	ZIRCONIUM (40)	ZR-97

Table 6 - THREAD SERIES

THREAD SERIES

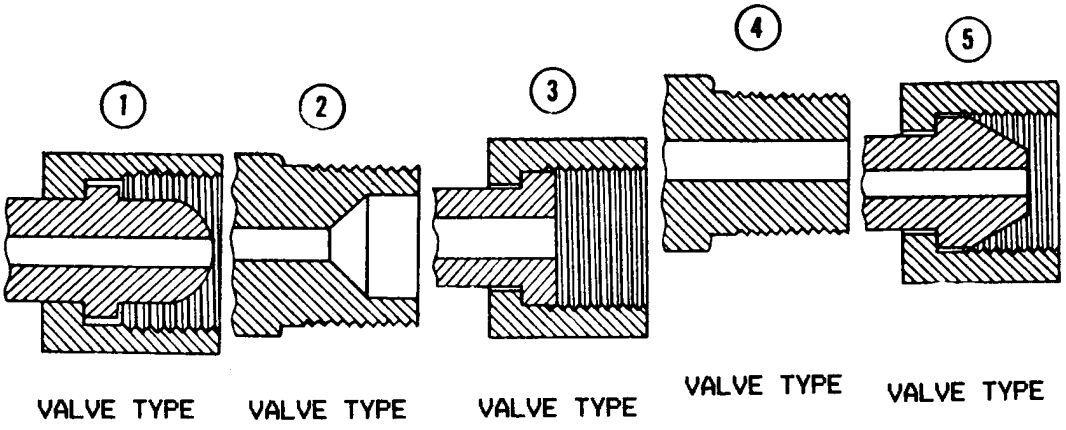
REPLY CODE	REPLY (AH06)
AE	IPS
SM	ISO M (SI other than coarse)
SS	ISO S (SI coarse)
BX	NC
BY	NF
NP	NPT
AQ	NS
UN	UN (8, 12, and 16 pitch)
NC	UNC
NE	UNEF
NF	UNF
NJ	UNJ (8, 12, and 16 pitch)
JC	UNJC
JE	UNJEF
JF	UNJF
NM	UNM
NS	UNS (National Special)

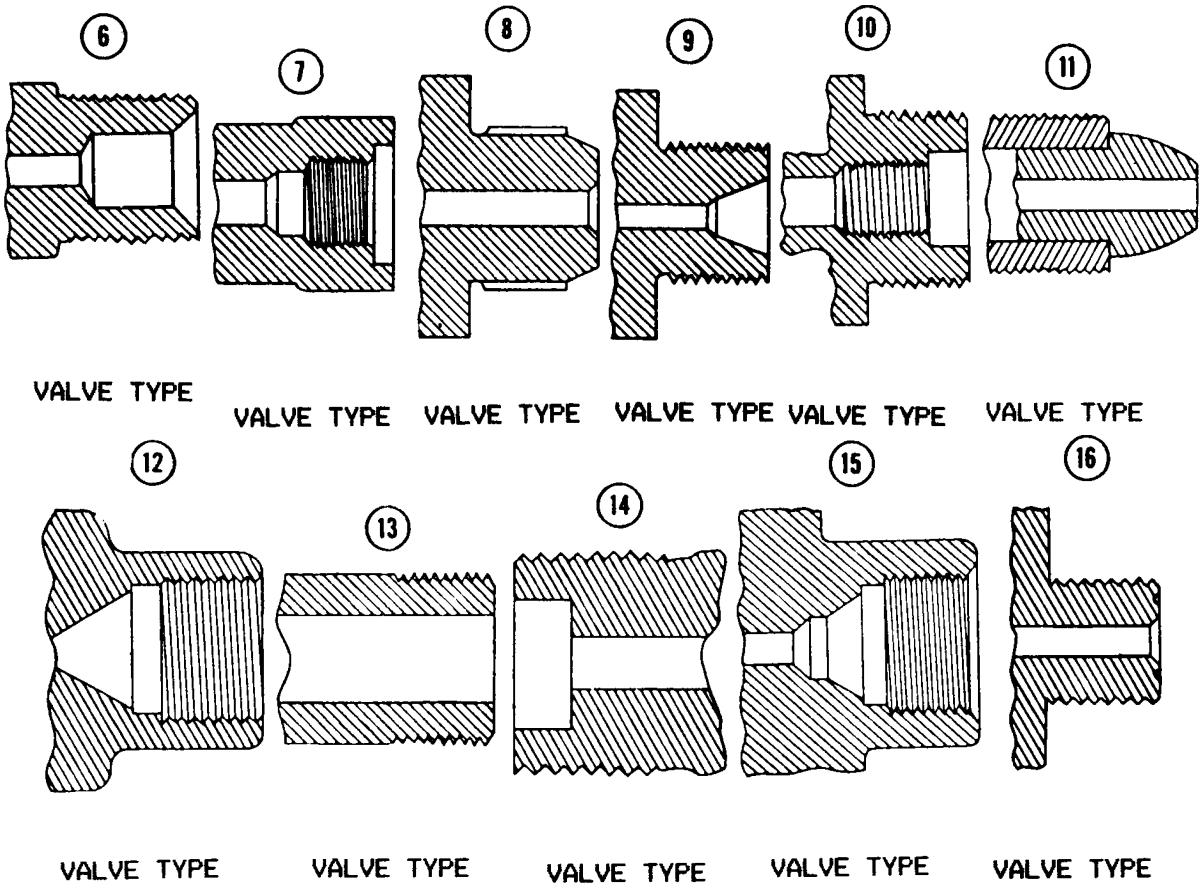
Reference Drawing Groups

REFERENCE DRAWING GROUP A

END CONNECTIONS

(No Requirements)




6
7
8
9
10
11
VALVE TYPE
VALVE TYPE
VALVE TYPE
VALVE TYPE
VALVE TYPE
VALVE TYPE
12
13
14
15
16
VALVE TYPE
VALVE TYPE
VALVE TYPE
VALVE TYPE
VALVE TYPE

Technical Data Tables

SPECIAL SECONDARY ADDRESS CODING

When the item includes a self-contained power source and the item is also designed for operation from an external power source, the external power source is considered alternate operating. Under this condition reply only alternate operating.

When the item is powered by external power source(s) only reply operating. When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

If you have more than one reply to the same MRC in any series, change the second alpha to indicate the reply. For example: ALTERNATE OPERATING POWER EQUIPMENT shows AC Voltage 110V, 115V, 120V code as ACYN1AJVA110.0* ACYN1BJVA115.0* ACYN1CJVA120.0*.

ACYN1AJVA110.0*

ACYN1BJVA115.0*

ACYN1CJVA120.0*.

SPECIAL SECONDARY SEQUENCE CODING for MRCs ACYN, ACZB, FAAZ, ACYR, and ALSF.

1A	1ST ALTERNATE OPERATING POWER RQMT
1B	2ND ALTERNATE OPERATING POWER RQMT
1C	3RD ALTERNATE OPERATING POWER RQMT
1D	4TH ALTERNATE OPERATING POWER RQMT
1E	5TH ALTERNATE OPERATING POWER RQMT
1F	6TH ALTERNATE OPERATING POWER RQMT
1G	7TH ALTERNATE OPERATING POWER RQMT
1H	8TH ALTERNATE OPERATING POWER RQMT
1J	9TH ALTERNATE OPERATING POWER RQMT
1K	10TH ALTERNATE OPERATING POWER RQMT
1L	11TH ALTERNATE OPERATING POWER RQMT
1M	1ST OPERATING POWER RQMT
1N	2ND OPERATING POWER RQMT
1P	3RD OPERATING POWER RQMT

1Q	4TH OPERATING POWER RQMT
1R	5TH OPERATING POWER RQMT
1S	6TH OPERATING POWER RQMT
1T	7TH OPERATING POWER RQMT
1U	8TH OPERATING POWER RQMT
1V	9TH OPERATING POWER RQMT
1W	10TH OPERATING POWER RQMT
1X	11TH OPERATING POWER RQMT
2AA	1ST ALTERNATE OPERATING POWER RQMT
2AB	1ST ALTERNATE OPERATING POWER RQMT
2AC	1ST ALTERNATE OPERATING POWER RQMT
2AD	1ST ALTERNATE OPERATING POWER RQMT
2AE	1ST ALTERNATE OPERATING POWER RQMT
2BA	2ND ALTERNATE OPERATING POWER RQMT
2BB	2ND ALTERNATE OPERATING POWER RQMT
2BC	2ND ALTERNATE OPERATING POWER RQMT
2BD	2ND ALTERNATE OPERATING POWER RQMT
2BE	2ND ALTERNATE OPERATING POWER RQMT
2CA	3RD ALTERNATE OPERATING POWER RQMT
2CB	3RD ALTERNATE OPERATING POWER RQMT
2CC	3RD ALTERNATE OPERATING POWER RQMT
2CD	3RD ALTERNATE OPERATING POWER RQMT
2CE	3RD ALTERNATE OPERATING POWER RQMT
2DA	4TH ALTERNATE OPERATING POWER RQMT
2DB	4TH ALTERNATE OPERATING POWER RQMT
2DC	4TH ALTERNATE OPERATING POWER RQMT
2DD	4TH ALTERNATE OPERATING POWER RQMT
2DE	4TH ALTERNATE OPERATING POWER RQMT
2EA	5TH ALTERNATE OPERATING POWER RQMT
2EB	5TH ALTERNATE OPERATING POWER RQMT
2EC	5TH ALTERNATE OPERATING POWER RQMT
2ED	5TH ALTERNATE OPERATING POWER RQMT
2EE	5TH ALTERNATE OPERATING POWER RQMT
2FA	6TH ALTERNATE OPERATING POWER RQMT
2FB	6TH ALTERNATE OPERATING POWER RQMT
2FC	6TH ALTERNATE OPERATING POWER RQMT
2FD	6TH ALTERNATE OPERATING POWER RQMT
2FE	6TH ALTERNATE OPERATING POWER RQMT
2GA	7TH ALTERNATE OPERATING POWER RQMT
2GB	7TH ALTERNATE OPERATING POWER RQMT
2GC	7TH ALTERNATE OPERATING POWER RQMT
2GD	7TH ALTERNATE OPERATING POWER RQMT
2GE	7TH ALTERNATE OPERATING POWER RQMT
2HA	8TH ALTERNATE OPERATING POWER RQMT
2HB	8TH ALTERNATE OPERATING POWER RQMT
2HC	8TH ALTERNATE OPERATING POWER RQMT

2HD	8TH ALTERNATE OPERATING POWER RQMT
2HE	8TH ALTERNATE OPERATING POWER RQMT
2JA	9TH ALTERNATE OPERATING POWER RQMT
2JB	9TH ALTERNATE OPERATING POWER RQMT
2JC	9TH ALTERNATE OPERATING POWER RQMT
2JD	9TH ALTERNATE OPERATING POWER RQMT
2JE	9TH ALTERNATE OPERATING POWER RQMT
2KA	10TH ALTERNATE OPERATING POWER RQMT
2KB	10TH ALTERNATE OPERATING POWER RQMT
2KC	10TH ALTERNATE OPERATING POWER RQMT
2KD	10TH ALTERNATE OPERATING POWER RQMT
2KE	10TH ALTERNATE OPERATING POWER RQMT
2LA	11TH ALTERNATE OPERATING POWER RQMT
2LB	11TH ALTERNATE OPERATING POWER RQMT
2LC	11TH ALTERNATE OPERATING POWER RQMT
2LD	11TH ALTERNATE OPERATING POWER RQMT
2LE	11TH ALTERNATE OPERATING POWER RQMT
2MA	1ST OPERATING POWER RQMT
2MB	1ST OPERATING POWER RQMT
2MC	1ST OPERATING POWER RQMT
2MD	1ST OPERATING POWER RQMT
2ME	1ST OPERATING POWER RQMT
2NA	2ND OPERATING POWER RQMT
2NB	2ND OPERATING POWER RQMT
2NC	2ND OPERATING POWER RQMT
2ND	2ND OPERATING POWER RQMT
2NE	2ND OPERATING POWER RQMT
2PA	3RD OPERATING POWER RQMT
2PB	3RD OPERATING POWER RQMT
2PC	3RD OPERATING POWER RQMT
2PD	3RD OPERATING POWER RQMT
2PE	3RD OPERATING POWER RQMT
2QA	4TH OPERATING POWER RQMT
2QB	4TH OPERATING POWER RQMT
2QC	4TH OPERATING POWER RQMT
2QD	4TH OPERATING POWER RQMT
2QE	4TH OPERATING POWER RQMT
2RA	5TH OPERATING POWER RQMT
2RB	5TH OPERATING POWER RQMT
2RC	5TH OPERATING POWER RQMT
2RD	5TH OPERATING POWER RQMT
2RE	5TH OPERATING POWER RQMT
2SA	6TH OPERATING POWER RQMT
2SB	6TH OPERATING POWER RQMT
2SC	6TH OPERATING POWER RQMT
2SD	6TH OPERATING POWER RQMT

2SE	6TH OPERATING POWER RQMT
2TA	7TH OPERATING POWER RQMT
2TB	7TH OPERATING POWER RQMT
2TC	7TH OPERATING POWER RQMT
2TD	7TH OPERATING POWER RQMT
2TE	7TH OPERATING POWER RQMT
2UA	8TH OPERATING POWER RQMT
2UB	8TH OPERATING POWER RQMT
2UC	8TH OPERATING POWER RQMT
2UD	8TH OPERATING POWER RQMT
2UE	8TH OPERATING POWER RQMT
2VA	9TH OPERATING POWER RQMT
2VB	9TH OPERATING POWER RQMT
2VC	9TH OPERATING POWER RQMT
2VD	9TH OPERATING POWER RQMT
2VE	9TH OPERATING POWER RQMT
2WA	10TH OPERATING POWER RQMT
2WB	10TH OPERATING POWER RQMT
2WC	10TH OPERATING POWER RQMT
2WD	10TH OPERATING POWER RQMT
2WE	10TH OPERATING POWER RQMT
2XA	11TH OPERATING POWER RQMT
2XB	11TH OPERATING POWER RQMT
2XC	11TH OPERATING POWER RQMT
2XD	11TH OPERATING POWER RQMT
2XE	11TH OPERATING POWER RQMT

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	------	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

CELSIUS-FAHRENHEIT CONVERSION TABLE

CONVERTED TO CELSIUS	TEMP READING	CONVERTED TO FAHRENHEIT
-62.2	-80	-112.0
-56.7	-70	-94.0
-51.1	-60	-76.0
-45.6	-50	-58.0
-40.0	-40	-40.0
-34.4	-30	-22.0
-31.7	-25	-13.0
-28.9	-20	-4.0
-26.1	-15	+5.0
-23.3	-10	14.0
-20.6	-5	23.0
-17.8	0	32.0
-15.0	5	41.0
-12.22	10	50.0
-9.44	15	59.0
-6.67	20	68.0
-3.89	25	77.0
-1.11	30	86.0
1.67	35	95.0
4.44	40	104.0
7.22	45	113.0
10.00	50	122.0
12.78	55	131.0
15.56	60	140.0
18.33	65	149.0
21.11	70	158.0
23.89	75	167.0
26.67	80	176.0
29.44	85	185.0
32.22	90	194.0
35.00	95	203.0
37.78	100	212.0
40.56	105	221.0
43.33	110	230.0
46.11	115	239.0
48.89	120	248.0
51.67	125	257.0
54.44	130	266.0
57.22	135	275.0
60.00	140	284.0

65.56	150	302.0
71.11	160	320.0
76.67	170	338.0
82.22	180	356.0
87.78	190	374.0
93.33	200	392.0
98.89	210	410.0
104.44	220	428.0
110.00	230	446.0
115.56	240	464.0
121.11	250	482.0
126.67	260	500.0
132.22	270	518.0
137.78	280	536.0
143.33	290	554.0
148.89	300	572.0
154.44	310	590.0
160.00	320	608.0
165.66	330	626.0
171.11	340	644.0
176.67	350	662.0
182.22	360	680.0
187.78	370	698.0
193.33	380	716.0
198.89	390	734.0
204.44	400	752.0
210.00	410	770.0
215.56	420	788.0
221.11	430	806.0
226.67	440	824.0
232.22	450	842.0
237.78	460	860.0
243.33	470	878.0
248.89	480	896.0
254.44	490	914.0
260.00	500	932.0
265.56	510	950.0
271.11	520	968.0
276.67	530	986.0
282.22	540	1004.0
287.78	550	1022.0

The middle column of figures contains the reading (|SDF or |SDC) to be converted. If converting from degrees Fahrenheit to degrees Celsius, read the Celsius equivalent in the column headed

"Converted to Celsius". If converting from Celsius to Fahrenheit, read the Fahrenheit equivalent in the column headed "Converted to Fahrenheit".

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

OUNCES	POUNDS
1	0.062
2	0.125
3	0.188
4	0.250
5	0.312
6	0.375
7	0.438
8	0.500
9	0.562
10	0.625
11	0.688
12	0.750
13	0.812
14	0.875
15	0.938
16	1.000

FIIG Change List

FIIG Change List, Effective June 4, 2010

This change replaced with ISAC or and/or coding.